

DII COE NTAG Status Brief
DII COE & NT ... Achieving NT
Parity

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Background

DII AF Chief Architects' Office

- **Meeting with Dr. Perry and DISA Engineering Office in September '97 to Clarify NT Guidance and Recommendations on I&RTS**
 - Embracing of Logo Specifications
 - Transition of DII COE Kernel to Industry
- **Goal to Achieve NT Parity by DII COE v4.0, must Address**
 - Kernel
 - Infrastructure Services
 - Common Support Applications

Background

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- **Key Focus of Current Efforts is the DII COE NT Kernel**
 - **Integration & Run-Time Specification (I&RTS)**
 - » **Development Guidance**
 - » **Segmentation Guidance**
 - **Certification**
 - **Security**

I&RTS - Development Guidance (Development of Well-Behaved

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- **Apps)**
 - **Recommendations**
 - **Adopt (by Reference) for DII COE v4.0**
 - » **Designed for Windows NT Logo Handbook**
 - » **Platform Software Development Kit**
 - » **Windows Interface Guidelines for Software Design**
 - **Update Documentation (I&RTS, Style Guide, Programmers Reference Guide, Consolidated Installation Guide, etc.)**
- **Next Steps**
 - **Evaluation of ISV Designed for BackOffice Logo**
 - » **Address Middle Tier (Application Server Services) of DII COE Architecture**
 - **DoD Participation in Logo Specification Refinement and Evolution**

I&RTS - Segmentation Guidance (How to Segment)

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- **Recommendation**

- **Current Segmentation Guidance for DII COE v3.0-3.3**
 - » **Include Creation of Segment Descriptor Files (SDF)**
 - » **Consider Waivers for Programs Transitioning between DII COE v3.3 and v4.0**
 - » **Follow Logo Program where Possible**
- **InstallShield for DII COE NT v4.0**
 - » **DoD Templates to Preserve DII COE Configuration**
 - » **Vendor has Expressed Interest in Building DoD Templates**
- **Support Current & Future Installer Environments until NT v5.0**
- **Update Documentation (I&RTS, How to Segment Guide, Style Guide, API Reference Guide, Kernel Installation Guide, etc.)**

- **Next Steps**

- **Evaluate Impacts of NT v5.0**

I&RTS - Compliance Guidance

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- **Recommendation**

- **Self Assessment (e.g., Checklist Assessment) ***
 - » **Developers should be Encouraged to Use VeriTest Logo Compliance Freeware (Analyze.exe)**
- **Integration Testing (e.g., CFI and DCTF Testing) ***
- **Update Documentation (I&RTS Checklist, etc.)**

- **Option**

- **Logo Certification**
 - » **DISA (CFI, DCTF) Certification**
 - » **Out-Source Certification (e.g., Veritest)**

- **Next Steps**

- **Map Logo Specification Requirements to DII COE Compliance Levels**

Security

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- **Recommendations**
 - **Adoption of Secure NT Configuration and Installation Guide**
 - » **Address Security Issues Raised by DODIIS Security Assessment**
- **Next Steps**
 - **Automate Security Configuration and Installation**
 - **Review of NT Security Utilities**

Conclusion

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- **Recommendations are an Essential First Step to Achieve NT Parity for Kernel Level Services**
- **Achieves Goal to Transition Kernel to Industry**
- **Promotes GOTS and COTS Interoperability While Preserving DoD Security Requirements**
- **Future Efforts to Focus on Achieving NT Parity**
 - **Middle Tier (Application Server Services) of DII COE Architecture**
 - » **Infrastructure Services**
 - » **Common Support Applications**
 - **Windows NT v5.0 Impacts**

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Questions ?***

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